

# TEXAS DEPARTMENT OF INSURANCE

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## PRODUCT EVALUATION RC-379

Effective Date: June 1, 2013

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **May 2017**.*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.*

**Texflex APP and Texflex SBS Modified Membrane Roof Coverings**, manufactured by

**JM Texsa S.A. de C.V.**  
**Bahia de Adair Lote 13 Manzana 4**  
**Parque de la Pequena y Mediana Industria**  
**Zip 89608. Altamira, Tamaulipas, Mexico**  
**Telephone: (972) 755-1986**

is acceptable in designated catastrophe zones along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

## PRODUCT DESCRIPTION

**Texflex SBS Gt 4.2:** SBS modified bitumen membrane with granule surface, reinforced with a non-woven 180 gr/m<sup>3</sup> polyester mat. The bottom layer is a polyethylene film.

**Texflex SBS G 4.2 Cool:** SBS modified bitumen membrane with granule surface, reinforced with a non-woven 180 gr/m<sup>3</sup> polyester mat. The bottom layer is a polyethylene film.

**Texflex SBS Gt 180:** SBS modified bitumen membrane with granule surface, reinforced with a non-woven 180 gr/m<sup>3</sup> polyester mat. The bottom layer is a polyethylene film.

**Texflex SBS G 180 Cool:** SBS modified bitumen membrane with a smooth surface, reinforced with a non-woven 180 gr/m<sup>3</sup> polyester mat. Polyethylene film free in the bottom layer.

**Texflex APP St 170:** APP modified bitumen membrane with a smooth surface, reinforced with a non-woven 180 gr/m<sup>3</sup> polyester mat. The bottom layer is a polyethylene film.

**Texflex SBS S 170 Cool:** SBS modified bitumen membrane with a smooth surface, reinforced with a non-woven 180 gr/m<sup>3</sup> polyester mat. Polyethylene film free in the bottom layer.

**Texflex APP St 160:** APP modified bitumen membrane with a smooth surface, reinforced with a non-woven 180 gr/m<sup>3</sup> polyester mat. The bottom layer is a polyethylene film.

**Texflex SBS S 160 Cool:** SBS modified bitumen membrane with a smooth surface, reinforced with a non-woven 180 gr/m<sup>3</sup> polyester mat. Polyethylene film free in the bottom layer.

**Texflex SBS Gt 4.2:** SBS modified bitumen membrane with granule surface, reinforced with a non-woven 180 gr/m<sup>3</sup> polyester mat. The bottom layer is a polyethylene film.

**Texflex APP Gt 180:** APP modified bitumen membrane with granule surface, reinforced with a non-woven 180 gr/m<sup>3</sup> polyester mat. The bottom layer is a polyethylene film.

**Texflex SBS St 170:** SBS modified bitumen membrane with a smooth surface, reinforced with a non-woven 180 gr/m<sup>3</sup> polyester mat. The bottom layer is a polyethylene film.

**Texflex SBS St 160:** SBS modified bitumen membrane with a smooth surface, reinforced with a non-woven 180 gr/m<sup>3</sup> polyester mat. The bottom layer is a polyethylene film.

### **LIMITATIONS**

**Roof slope:** The roof deck shall be provided with positive drainage. A minimum roof slope after construction of ¼:12 is recommended.

### **INSTALLATION INSTRUCTIONS**

**General Installation Requirements:** Manufacturer's installation instructions must be followed, unless otherwise specified by this product evaluation. All edge, corner, and penetration flashing shall be installed according to the manufacturer's installation instructions. All fasteners shall be corrosion resistance as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.

#### **Assembly No. 1 – Concrete Deck**

**Design Wind Pressure:** -495 psf

**Roof Deck:** The roof deck shall consist of new structural concrete.

**Primer:** Concrete primer shall comply with ASTM D41.

**Base Ply:** Texflex SBS S 170 Cool or Texflex SBS 160 Cool, fully adhered with Lucas #734 Modified Bitumen Adhesive Brush Grade at a rate of 2 to 2.5 gal/sq.

**Optional Ply:** Texflex SBS S 170 Cool or Texflex SBS 160 Cool, fully adhered with Lucas #734 Modified Bitumen Adhesive Brush Grade at a rate of 2 to 2.5 gal/sq.

**Cap Ply:** Texflex SBS G 4.2 Cool Blank Smooth, Texflex SBS G 4.2 Cool White Smooth, Texflex SBS G 180 Cool Blank Smooth or Texflex SBS G 180 Cool White Smooth, fully adhered with Lucas #734 Modified Bitumen Adhesive Brush Grade at a rate of 2 to 2.5 gal/sq.

#### **Assembly No. 2 – Concrete Deck**

**Design Wind Pressure:** -495 psf

**Roof Deck:** The roof deck shall consist of new structural concrete.

**Primer:** Concrete primer shall comply with ASTM D41.

**Base Ply:** Texflex SBS ST 170 or Texflex SBS ST 160, torch adhered

Optional Ply:    Texflex SBS ST 170 or Texflex SBS ST 160, torch adhered

Cap Ply:           Texflex SBS GT 4.2 Black Film, Texflex SBS GT 4.2 White Film, Texflex SBS GT 180 Black Film or Texflex SBS GT 180 White Film, torch adhered

**Assembly No. 3 – Concrete Deck**

**Design Wind Pressure:** -495 psf

Roof Deck:        The roof deck shall consist of new structural concrete.

Primer:           Concrete primer shall comply with ASTM D41.

Base Ply:          Texflex APP ST 170 or Texflex APP ST 160, torch adhered

Optional Ply:     Texflex APP ST 170 or Texflex APP ST 160, torch adhered

Cap Ply:           Texflex APP GT 4.2 Black Film, Texflex APP GT 4.2 White Film, Texflex APP GT 180 Black Film or Texflex APP GT 180 White Film, torch adhered

**Note:** The manufacturer's installation instructions shall be on the job site during the installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.